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OM protein - protein search, using sw model

Run on: March 29, 2002, 09:46:25 ; Search time 14.16 Seconds  
(without alignments)  
1277.729 Million cell updates/sec

Title: US-09-116-676-10  
Perfect score: 4363  
Sequence: 1 MICRQFCVVLLHWEFIYVIT.....WLRISSSVKYIHGKFTIL 804

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_AA.\*  
1: /cgn2\_6/ptodata/2/iaa/5A.COMB.pcp.\*  
2: /cgn2\_6/ptodata/2/iaa/5B.COMB.pcp.\*  
3: /cgn2\_6/ptodata/2/iaa/6A.COMB.pcp.\*  
4: /cgn2\_6/ptodata/2/iaa/6B.COMB.pcp.\*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS.COMB.pcp.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pcp.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	4337	99.4	1165	2	US-08-599-455B-4
2	4337	99.4	1165	4	US-09-093-814-1
3	4337	99.4	1165	4	US-09-069-781B-4
4	4325	99.1	898	2	US-08-693-697-36
5	4325	99.1	908	2	US-08-693-697-33
6	4325	99.1	960	1	US-08-355-888A-8
7	4325	99.1	960	2	US-08-693-697-8
8	4325	99.1	960	3	US-08-640-389A-3
9	4325	99.1	960	2	US-08-693-696-8
10	4320	99.0	960	2	US-08-588-190-3
11	4315	98.9	908	2	US-08-388-526-3
12	4309	98.8	1165	2	US-08-640-389A-11
13	4297	98.5	896	2	US-08-640-389A-10
14	4297	98.5	906	2	US-08-640-389A-9
15	4297	98.5	958	2	US-08-640-389A-8
16	3361	77.0	896	2	US-08-640-389A-12
17	3345	76.7	894	2	US-08-599-455B-2
18	3345	76.7	894	4	US-09-069-781B-2
19	3345	76.7	1162	4	US-08-599-455B-43
20	3345	76.7	1162	4	US-09-069-781B-43
21	3342	76.6	1162	4	US-08-803-346-1
22	3334	76.4	895	4	US-08-827-962-19
23	3334	76.4	1162	4	US-08-827-962-15
24	3328	76.3	1162	4	US-08-827-962-20
25	3308	75.8	895	4	US-08-827-962-21
26	3057	70.1	569	1	US-08-306-231-3
27	421	9.6	77	4	US-08-803-346-64

28	395	9.1	76	4	US-08-803-346-61	Sequence 61, Appl
29	377	8.6	77	4	US-08-803-346-62	Sequence 62, Appl
30	370	8.5	77	4	US-08-803-346-63	Sequence 63, Appl
31	309.5	7.1	75	4	US-08-803-346-60	Sequence 60, Appl
32	289.5	6.6	75	4	US-08-803-346-59	Sequence 59, Appl
33	277.5	6.4	488	2	US-08-599-455B-5	Sequence 5, Appl
34	277.5	6.4	488	4	US-08-069-781B-5	Sequence 5, Appl
35	277.5	6.4	658	2	US-08-825-558-4	Sequence 4, Appl
36	277.5	6.4	708	1	US-07-797-556-2	Sequence 2, Appl
37	277.5	6.4	708	1	US-08-308-881-2	Sequence 2, Appl
38	277.5	6.4	708	2	US-09-058-263-2	Sequence 2, Appl
39	277.5	6.4	708	2	US-09-059-099-2	Sequence 2, Appl
40	277.5	6.4	708	3	US-09-058-264-2	Sequence 2, Appl
41	277.5	6.4	708	5	PCT-US95-06530-2	Sequence 2, Appl
42	277.5	6.4	918	2	US-08-825-558-6	Sequence 6, Appl
43	246.5	5.6	837	1	US-07-923-976-2	Sequence 2, Appl
44	242.5	5.6	771	1	US-07-923-976-6	Sequence 6, Appl
45	242.5	5.6	783	6	5422248-2	Patent No. 5422248

## ALIGNMENTS

RESULT 1  
US-08-599-455B-4  
; Sequence 4, Application US/08599455B  
; Patent No. 5972621  
; GENERAL INFORMATION:  
; APPLICANT: Tartaglia, Louis A.  
; APPLICANT: Tepper, Robert I.  
; APPLICANT: Culpepper, Janice A.  
; TITLE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS THAT  
; MODULATE BODY WEIGHT USING THE OB RECEPTOR  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson, P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows95  
; SOFTWARE: FASTSQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/599,455B  
; FILING DATE: 22-JAN-1996  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/583,153  
; FILING DATE: 28-DEC-1995  
; APPLICATION NUMBER: 08/570,142  
; FILING DATE: 11-DEC-1995  
; APPLICATION NUMBER: 08/569,485  
; FILING DATE: 08-DEC-1995  
; APPLICATION NUMBER: 08/566,622  
; FILING DATE: 04-DEC-1995  
; APPLICATION NUMBER: 08/562,663  
; FILING DATE: 27-NOV-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Melkielejoh, Ph.D., Anita L.  
; REGISTRATION NUMBER: 35,283  
; REFERENCE/DOCKET NUMBER: 07334/017001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-542-5070  
; TELEFAX: 617-542-8906  
; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1165 amino acids  
; TYPE: amino acid  
; TOPOLOGY: unknown

MOLECULE TYPE: protein  
FRAGMENT TYPE: internal  
US-08-599-455B-4

Query Match 99.4%; Score 4337; DB 2; Length 1165;  
Best Local Similarity 99.8%; Pred. No. 0;  
Matches 799; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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DB 1 MICQKFCVLLHWEFIYVITAFNLSYPTTPWRFKLSCHMPNSTYDYFLLPAGLSKNTSNS 60
QY 61 NGHYETAPEKFNSSGTHFNSLKTTFHCCFRSEODRNCSLCADNIEGKTFVSTVNSLVF 120
DB 61 NGHYETAPEKFNSSGTHFNSLKTTFHCCFRSEODRNCSLCADNIEGKTFVSTVNSLVF 120
QY 121 QOIDANNIOCLWGLDKLFCYVESLFKNLFNRYNYKVHLLYVLPVLEDSPLVPQKGS 180
DB 121 QOIDANNIOCLWGLDKLFCYVESLFKNLFNRYNYKVHLLYVLPVLEDSPLVPQKGS 180
QY 181 FQMVHCNCSVHECCVLPVPTAKLNDTLMLCKITSGVIFQSPMSVQPINNVKPDPP 240
DB 181 FQMVHCNCSVHECCVLPVPTAKLNDTLMLCKITSGVIFQSPMSVQPINNVKPDPP 240
QY 241 LGLHMEITDDGNLKSWSPPPLVPFPLOQYQVYKSENSTTVIREADKIVSATSLVDSTLP 300
DB 241 LGLHMEITDDGNLKSWSPPPLVPFPLOQYQVYKSENSTTVIREADKIVSATSLVDSTLP 300
QY 301 GSSYEVOVRGRKLDGPGIWSDMSTPRVFTTQDVYFPPKILTSVGSNVSFHCIIYKKNKI 360
DB 301 GSSYEVOVRGRKLDGPGIWSDMSTPRVFTTQDVYFPPKILTSVGSNVSFHCIIYKKNKI 360
QY 361 VPSKEIVMNMNLAEKIPQSOQDVYSDHVSQVTFNLAETKPRGFTYDQVYVYCCNEHECHH 420
DB 361 VPSKEIVMNMNLAEKIPQSOQDVYSDHVSQVTFNLAETKPRGFTYDQVYVYCCNEHECHH 420
QY 421 RYAEIYVIDVNIINISCTDGYLTMTCTCRWSTSTQSLAESTLQRLYHRSSLYCSDIPSIIH 480
DB 421 RYAEIYVIDVNIINISCTDGYLTMTCTCRWSTSTQSLAESTLQRLYHRSSLYCSDIPSIIH 480
QY 481 PISEPKDCYQLQSDGFEYCIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540
DB 481 PISEPKDCYQLQSDGFEYCIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540
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DB 541 SSVKAEITINIGLLKISWEKVPFENNLOFQIRYGLSGKEVQWKMYEYDAKSKSVSLPV 600
QY 601 PDLCAVAVQVRCKRLDGLGYSWNSNPATYVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
DB 601 PDLCAVAVQVRCKRLDGLGYSWNSNPATYVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
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QY 721 GASVANENLTFSPMKSVMKNIVQSLAYSAYPLNSSCVIVSWILSPSDYKLMYFIEHKNLNED 780
DB 721 GASVANENLTFSPMKSVMKNIVQSLAYSAYPLNSSCVIVSWILSPSDYKLMYFIEHKNLNED 780
QY 781 GEIKWLRISSSVKKYYIHGKF 801
DB 781 GEIKWLRISSSVKKYYIHGKF 801
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## RESULT 2

US-09-093-814-1  
Sequence 1, Application US/09093814  
Patent No. 6270981  
GENERAL INFORMATION:  
APPLICANT: Carpenter et al.  
TITLE OF INVENTION: ASSAY SYSTEMS FOR LEPTIN-ENHANCING AGENTS

FILE REFERENCE: REG 580-A  
CURRENT APPLICATION NUMBER: US/09/093.814  
CURRENT FILING DATE: 1998-06-09  
PRIOR APPLICATION NUMBER: 60/049.108  
PRIOR FILING DATE: 1997-06-09  
NUMBER OF SEQ ID NOS: 1  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 1  
LENGTH: 1165  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-093-814-1

Query Match 99.4%; Score 4337; DB 4; Length 1165;  
Best Local Similarity 99.8%; Pred. No. 0;  
Matches 799; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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DB 61 NGHYETAPEKFNSSGTHFNSLKTTFHCCFRSEODRNCSLCADNIEGKTFVSTVNSLVF 120
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DB 121 QOIDANNIOCLWGLDKLFCYVESLFKNLFNRYNYKVHLLYVLPVLEDSPLVPQKGS 180
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DB 181 FQMVHCNCSVHECCVLPVPTAKLNDTLMLCKITSGVIFQSPMSVQPINNVKPDPP 240
QY 241 LGLHMEITDDGNLKSWSPPPLVPFPLOQYQVYKSENSTTVIREADKIVSATSLVDSTLP 300
DB 241 LGLHMEITDDGNLKSWSPPPLVPFPLOQYQVYKSENSTTVIREADKIVSATSLVDSTLP 300
QY 301 GSSYEVOVRGRKLDGPGIWSDMSTPRVFTTQDVYFPPKILTSVGSNVSFHCIIYKKNKI 360
DB 301 GSSYEVOVRGRKLDGPGIWSDMSTPRVFTTQDVYFPPKILTSVGSNVSFHCIIYKKNKI 360
QY 361 VPSKEIVMNMNLAEKIPQSOQDVYSDHVSQVTFNLAETKPRGFTYDQVYVYCCNEHECHH 420
DB 361 VPSKEIVMNMNLAEKIPQSOQDVYSDHVSQVTFNLAETKPRGFTYDQVYVYCCNEHECHH 420
QY 421 RYAEIYVIDVNIINISCTDGYLTMTCTCRWSTSTQSLAESTLQRLYHRSSLYCSDIPSIIH 480
DB 421 RYAEIYVIDVNIINISCTDGYLTMTCTCRWSTSTQSLAESTLQRLYHRSSLYCSDIPSIIH 480
QY 481 PISEPKDCYQLQSDGFEYCIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540
DB 481 PISEPKDCYQLQSDGFEYCIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540
QY 541 SSVKAEITINIGLLKISWEKVPFENNLOFQIRYGLSGKEVQWKMYEYDAKSKSVSLPV 600
DB 541 SSVKAEITINIGLLKISWEKVPFENNLOFQIRYGLSGKEVQWKMYEYDAKSKSVSLPV 600
QY 601 PDLCAVAVQVRCKRLDGLGYSWNSNPATYVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
DB 601 PDLCAVAVQVRCKRLDGLGYSWNSNPATYVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
QY 661 TLLWKPMLKNDLSQVQRYVINHHSTSCNGTWSDEVDGNHTKFTFLWTEQAHVTVVLAINSI 720
DB 661 TLLWKPMLKNDLSQVQRYVINHHSTSCNGTWSDEVDGNHTKFTFLWTEQAHVTVVLAINSI 720
QY 721 GASVANENLTFSPMKSVMKNIVQSLAYSAYPLNSSCVIVSWILSPSDYKLMYFIEHKNLNED 780
DB 721 GASVANENLTFSPMKSVMKNIVQSLAYSAYPLNSSCVIVSWILSPSDYKLMYFIEHKNLNED 780
QY 781 GEIKWLRISSSVKKYYIHGKF 801
DB 781 GEIKWLRISSSVKKYYIHGKF 801
```

RESULT 3

US-09-069-781B-4

Sequence 4, Application US/09069781B

Patent No. 6287782

GENERAL INFORMATION:

APPLICANT: Tartaglia, Louis A.

APPLICANT: Tepper, Robert I.

APPLICANT: Culpepper, Janice A.

APPLICANT: White, David W.

TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR

TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,

TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA

NUMBER OF SEQUENCES: 50

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson, P.C.

STREET: 225 Franklin Street

CITY: Boston

STATE: MA

COUNTRY: US

ZIP: 02110-2804

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows95

SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/069,781B

FILING DATE: 29-APRIL-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/864,564

FILING DATE: 28-MAY-1997

APPLICATION NUMBER: US 08/708,123

FILING DATE: 03-SEP-1996

APPLICATION NUMBER: US 08/638,524

FILING DATE: 26-APR-1996

APPLICATION NUMBER: US 08/599,455

FILING DATE: 22-JAN-1996

APPLICATION NUMBER: US 08/583,153

FILING DATE: 28-DEC-1995

APPLICATION NUMBER: US 08/570,142

FILING DATE: 11-DEC-1995

APPLICATION NUMBER: US 08/569,485

FILING DATE: 08-DEC-1995

APPLICATION NUMBER: US 08/566,622

FILING DATE: 04-DEC-1995

APPLICATION NUMBER: US 08/562,663

FILING DATE: 27-NOV-1995

ATTORNEY/AGENT INFORMATION:

NAME: Meiklejohn, Ph.D., Anita L.

REGISTRATION NUMBER: 35,283

REFERENCE/DOCKET NUMBER: 07334/082001

TELEPHONE: (617) 542-5070

TELEFAX: (617) 542-8906

TELEX: 200154

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 1165 amino acids

TYPE: amino acid

TOPOLOGY: unknown

MOLECULE TYPE: protein

FRAGMENT TYPE: internal

US-09-069-781B-4

Query Match 99.4%; Score 4337; DB 4; Length 1165;

Best Local Similarity 99.8%; Pred. No. 0;

Matches 799; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Db 1 MICQKFCVLLHWEFIYVITAFNLSYPITPWRKLSCHMPNSTDYDFLLPAGLSKNTSNS 60

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Db 61 NGHYETAVEPKFNSGTHFSNLSKTTTFHCCFRSEODRNCSCADNIEGKTFVSTVNSLVF 120

QY 121 QOIDANNIOCLWKGDLKLFICYVESLFPKLNFRNRYNKHLLYVLPVLEDSPLVPQKGS 180

Db 121 QOIDANNIOCLWKGDLKLFICYVESLFPKLNFRNRYNKHLLYVLPVLEDSPLVPQKGS 180

QY 181 FQVHVCNSVHECECLVPVPTAKLNDTLLMCLKITSGGVIFQSPMLSVQPINMVKPDP 240

Db 181 FQVHVCNSVHECECLVPVPTAKLNDTLLMCLKITSGGVIFQSPMLSVQPINMVKPDP 240

QY 241 LGLHMEITDDGNLKSWSPPPLVPFPLOQVYKSENSTTVREADKIVSATSLVDSILP 300

Db 241 LGLHMEITDDGNLKSWSPPPLVPFPLOQVYKSENSTTVREADKIVSATSLVDSILP 300

QY 301 GSSYEVOVRGKRLDGPGLWSDMSTPRVFTTODVLYFPKILTSVGSNSVSHCIYKKNKI 360

Db 301 GSSYEVOVRGKRLDGPGLWSDMSTPRVFTTODVLYFPKILTSVGSNSVSHCIYKKNKI 360

QY 361 VPSKEIYVMNMNLAEKIPQSOYDVYSDHVSQVTFNENLNETKRGKFTYDAVYCCNEHECHH 420

Db 361 VPSKEIYVMNMNLAEKIPQSOYDVYSDHVSQVTFNENLNETKRGKFTYDAVYCCNEHECHH 420

QY 421 RYAEIYVIDVNIINISCTDGYLTMTKRWSTSTQSLAESTLQRLYHRSSLYCSDIPSIIH 480

Db 421 RYAEIYVIDVNIINISCTDGYLTMTKRWSTSTQSLAESTLQRLYHRSSLYCSDIPSIIH 480

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Db 481 PISEPKDCYLOSOGFYECIQPIELLSGYTMWIRINISGLSDSPPTCVLPDSVVKPLPP 540

QY 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKMVEYDAKSKSVSLPV 600

Db 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKMVEYDAKSKSVSLPV 600

QY 601 PDLCAVYAVQVRKRLDGLGYSNWSNPAYTVVMDIKVPMRGPEFWIRINGDTMKKEKNV 660

Db 601 PDLCAVYAVQVRKRLDGLGYSNWSNPAYTVVMDIKVPMRGPEFWIRINGDTMKKEKNV 660

QY 661 TLLWKPLMKNDLSLCVQORYVINHHTSCNGTWSVDGHNHTKFTFLWTOAHTVTVLAINSI 720

Db 661 TLLWKPLMKNDLSLCVQORYVINHHTSCNGTWSVDGHNHTKFTFLWTOAHTVTVLAINSI 720

QY 721 GASVANENLTFSPMSKVNIVQSLSAVPLNSSCVIVSWILSPSDYKLMFYFIENKNLNE 780

Db 721 GASVANENLTFSPMSKVNIVQSLSAVPLNSSCVIVSWILSPSDYKLMFYFIENKNLNE 780

QY 781 GEIKWLRISSVKKYIYTHGKF 801

Db 781 GEIKWLRISSVKKYIYTHGKF 801

RESULT 4

US-08-693-697-36

Sequence 36, Application US/08693697

Patent No. 5869610

GENERAL INFORMATION:

APPLICANT: Snodgrass, H. R.

APPLICANT: Cioffli, Joseph

APPLICANT: Zupancic, Thomas J.

APPLICANT: Shafer, Alan W.

TITLE OF INVENTION: Hu-B1.219, A NOVEL HUMAN HEMATOPOIETIN

TITLE OF INVENTION: RECEPTOR

NUMBER OF SEQUENCES: 38

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pennie & Edmonds

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: USA

ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: FastSO for Windows Version 2.0b  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/693,697  
FILING DATE: 05-AUG-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Poissant, Brian M.  
REGISTRATION NUMBER: 28,462  
REFERENCE/DOCKET NUMBER: 8907-0037-999  
TELEPHONE: 650-493-4935  
TELEFAX: 650-493-5556  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 36:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 898 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: internal  
US-08-693-697-36

Query Match 99.1%; Score 4325; DB 2; Length 898;

Best Local Similarity 99.4%; Pred. No. 0;  
Matches 796; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

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Db 63 NGHETAVEPKFNSGGTHFNSLTKTHCCFRSDRNCSLCADNIEGKTFVSTVNSLVF 122  
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Db 123 QOIDANNNIOCLWGLDKLFICYVESLFKNLFNRYNFKVHLLYVLPVLEDSPLVPKGS 182  
QY 181 FQMVHCNCSVHECCCLVPVPTAKLNDTLMLCLKITSGGVIFQSPMSVQPINNVKPDPP 240  
Db 183 FQMVHCNCSVHECCCLVPVPTAKLNDTLMLCLKITSGGVIFQSPMSVQPINNVKPDPP 242  
QY 241 LGLHWEITDDGNLKSISSSPLVPFPLOQYQVYKYSNSTTVIREADKIVSATSLVDSLTLP 300  
Db 243 LGLHWEITDDGNLKSISSSPLVPFPLOQYQVYKYSNSTTVIREADKIVSATSLVDSLTLP 302  
QY 301 GSSYEVOVRGRKLDGPGIWSDMSTPRVFTQDVIYFPPKILTSVGSNVSFHCYKKNKI 360  
Db 303 GSSYEVOVRGRKLDGPGIWSDMSTPRVFTQDVIYFPPKILTSVGSNVSFHCYKKNKI 362  
QY 361 VPSKEIVMMNMLAEKIPQSDYDVYSDHVSFKVTFNRLNETKPRGFTYDAVYCCNEHECHH 420  
Db 363 VPSKEIVMMNMLAEKIPQSDYDVYSDHVSFKVTFNRLNETKPRGFTYDAVYCCNEHECHH 422  
QY 421 RYAEIYVDVNIINISCTDGLTKMTCRWSTSTQSLAESTLQRLYHRSSLYCSDIPSIIH 480  
Db 423 RYAEIYVDVNIINISCTDGLTKMTCRWSTSTQSLAESTLQRLYHRSSLYCSDIPSIIH 482  
QY 481 PISEPKDCYQSDGFEYECIFQIFILLSGYTMWIRNINSLGSLDSPPTCVLPDSVVKPLPP 540  
Db 483 PISEPKDCYQSDGFEYECIFQIFILLSGYTMWIRNINSLGSLDSPPTCVLPDSVVKPLPP 542  
QY 541 SSVKAEITINIGLLKISWEKVPFPPENNIFQIRYGLSGKEVQWKMYEYDAKSKSVSLPV 600  
Db 543 SSVKAEITINIGLLKISWEKVPFPPENNIFQIRYGLSGKEVQWKMYEYDAKSKSVSLPV 602

QY 601 PDLCAVYAVOVCRKRLDGLGYWSNPNPAYTVYMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
Db 603 PDLCAVYAVOVCRKRLDGLGYWSNPNPAYTVYMDIKVPMRGPEFWRIINGDTMKKEKNV 662  
QY 661 TLLWKPLMKNDLSLCSVQRYVINHHTSCNGTWSBEDVGNHTKFTFLWTEQAHTVTVLAINSI 720  
Db 663 TLLWKPLMKNDLSLCSVQRYVINHHTSCNGTWSBEDVGNHTKFTFLWTEQAHTVTVLAINSI 722  
QY 721 GASVANENLTFSPMSKVNIQVLSAYPLNSSCVIVSWILSPSDYKLMYFLEIKWKNLNE 780  
Db 723 GASVANENLTFSPMSKVNIQVLSAYPLNSSCVIVSWILSPSDYKLMYFLEIKWKNLNE 782  
QY 781 GEIKWLRISSSVKKYIYHGKF 801  
Db 783 GEIKWLRISSSVKKYIYHDF 803  
RESULT 5  
US-08-693-697-33  
Sequence 33, Application US/08693697  
Patent No. 5869610  
GENERAL INFORMATION:  
APPLICANT: Snodgrass, H. R.  
APPLICANT: Cioffi, Joseph  
APPLICANT: Zupancic, Thomas J.  
APPLICANT: Shafer, Alan W.  
TITLE OF INVENTION: Hu-B1.219, A NOVEL HUMAN HEMATOPOIETIN  
TITLE OF INVENTION: RECEPTOR  
NUMBER OF SEQUENCES: 38  
CORRESPONDENCE ADDRESS:  
ADDRESS: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: FastSO for Windows Version 2.0b  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/693,697  
FILING DATE: 05-AUG-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Poissant, Brian M.  
REGISTRATION NUMBER: 28,462  
REFERENCE/DOCKET NUMBER: 8907-0037-999  
TELEPHONE: 650-493-4935  
TELEFAX: 650-493-5556  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 908 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: internal  
US-08-693-697-33

Query Match 99.1%; Score 4325; DB 2; Length 908;

Best Local Similarity 99.4%; Pred. No. 0;  
Matches 796; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 MICOKFCVLLHWEFIYVITAFNLSYPTIPWRFKLSCHPPNSTYDYFLLPAGLSKNTSNS 60  
Db 3 MICOKFCVLLHWEFIYVITAFNLSYPTIPWRFKLSCHPPNSTYDYFLLPAGLSKNTSNS 62  
QY 61 NGHETAVEPKFNSGGTHFNSLTKTHCCFRSDRNCSLCADNIEGKTFVSTVNSLVF 120

Db 63 NGHYETAVERPNSGTHFSLNLSKATRCFSCDRNCSLACADNIEGRTFVSTVNSLVF 122  
Qy 121 QOIDANNNIOWKLGDLKLFICYVESLFFKNLFNRYNTKVHLLYVLPVLEDSPLVPQKGS 180  
Db 123 QOIDANNNIOWKLGDLKLFICYVESLFFKNLFNRYNTKVHLLYVLPVLEDSPLVPQKGS 182  
Qy 181 FQMVHCNCSVHECCBCLVPVPTAKLNDTLMLCLKITSGGVIFQSPMLSVQPINNVKPDPP 240  
Db 183 FQMVHCNCSVHECCBCLVPVPTAKLNDTLMLCLKITSGGVIFQSPMLSVQPINNVKPDPP 242  
Qy 241 LGLHMEITDDGNLKITSSNPPLVPFPLOQYQVKSSENSTTVIREADKIVSATSLVDSILP 300  
Db 243 LGLHMEITDDGNLKITSSNPPLVPFPLOQYQVKSSENSTTVIREADKIVSATSLVDSILP 302  
Qy 301 GSSYEVOVRKRLDGPQIWSDMSTPRVFTTQDVIYFPKILTSVGSNVSFHCYKKNKI 360  
Db 303 GSSYEVOVRKRLDGPQIWSDMSTPRVFTTQDVIYFPKILTSVGSNVSFHCYKKNKI 362  
Qy 361 VPSKEIYVWNNLAEKIPQSYDVVSDHVSQVTFNLTNETKPRGKFTYDVCYCCNEHECHH 420  
Db 363 VPSKEIYVWNNLAEKIPQSYDVVSDHVSQVTFNLTNETKPRGKFTYDVCYCCNEHECHH 422  
Qy 421 RYAEIYVIDVNNISCTDGYLTMTKRWSTSTIQSLAESTLQRLYHRSLSYCSIDPSIH 480  
Db 423 RYAEIYVIDVNNISCTDGYLTMTKRWSTSTIQSLAESTLQRLYHRSLSYCSIDPSIH 482  
Qy 481 PISEPKDCYLOSDGFYECIFQPIFLLSGVTMTWIRINHSGLSDSPPTCVLPDSVVKPLPP 540  
Db 483 PISEPKDCYLOSDGFYECIFQPIFLLSGVTMTWIRINHSGLSDSPPTCVLPDSVVKPLPP 542  
Qy 541 SSVKAEITINIGLLKISWEKPVPENNLQFQIRYGLSGKEVQWKYEVYDAKSKSVSLPV 600  
Db 543 SSVKAEITINIGLLKISWEKPVPENNLQFQIRYGLSGKEVQWKYEVYDAKSKSVSLPV 602  
Qy 601 PDLCAVYAVQVRKRLDGLGYWSNWSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
Db 603 PDLCAVYAVQVRKRLDGLGYWSNWSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 662  
Qy 661 TLLWKLPLMKNDLSQVQRYVINHHTSCNGTWSDEDVGNHTKFTFLWTEQAHTVTVLAINSI 720  
Db 663 TLLWKLPLMKNDLSQVQRYVINHHTSCNGTWSDEDVGNHTKFTFLWTEQAHTVTVLAINSI 722  
Qy 721 GASVANFNLTSPWMSKVNIVQSLAYSAYPLNNSCVITVSWILSPSDYKLMYFIEWKNLNED 780  
Db 723 GASVANFNLTSPWMSKVNIVQSLAYSAYPLNNSCVITVSWILSPSDYKLMYFIEWKNLNED 782  
Qy 781 GEIKWLRISSSVKYYIHGKF 801  
Db 783 GEIKWLRISSSVKYYIHDF 803

## RESULT 6

US-08-355-888A-8

; Sequence 8, Application US/08355888A

; Patent No. 5763211

; GENERAL INFORMATION:

; APPLICANT: Snodgrass, H. R.

; APPLICANT: Cloffi, Joseph

; APPLICANT: Zupancic, Thomas J.

; APPLICANT: Shafer, Alan W.

; TITLE OF INVENTION: Hu-B1.219, A NOVEL HUMAN HEMATOPOIETIN

; TITLE OF INVENTION: RECEPTOR

; NUMBER OF SEQUENCES: 31

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie &amp; Edmonds

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: USA

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/355,888A  
; FILING DATE: 14-DEC-1994  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Polissant, Brian M.  
; REGISTRATION NUMBER: 28,462  
; REFERENCE/DOCKET NUMBER: 7225-078  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 790-9090  
; TELEFAX: (212) 869-9741/8864  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 960 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-355-888A-8

Query Match 99.1%; Score 4325; DB 1; Length 960;  
Best Local Similarity 99.4%; Pred. No. 0;  
Matches 796; Conservative 2; Mismatches 3; Indels 0; Gaps 0;  
Qy 1 MICQKFCVLLHWEFYIVITAFNLSPYTPWRFKLSCMPNPNSTYDYFLPAGLSKNTS 60  
Db 3 MICQKFCVLLHWEFYIVITAFNLSPYTPWRFKLSCMPNPNSTYDYFLPAGLSKNTS 62  
Qy 61 NGHYETAVERPNSGTHFSLNLSKATRCFSCDRNCSLACADNIEGRTFVSTVNSLVF 120  
Db 63 NGHYETAVERPNSGTHFSLNLSKATRCFSCDRNCSLACADNIEGRTFVSTVNSLVF 122  
Qy 121 QOIDANNNIOWKLGDLKLFICYVESLFFKNLFNRYNTKVHLLYVLPVLEDSPLVPQKGS 180  
Db 123 QOIDANNNIOWKLGDLKLFICYVESLFFKNLFNRYNTKVHLLYVLPVLEDSPLVPQKGS 182  
Qy 181 FQMVHCNCSVHECCBCLVPVPTAKLNDTLMLCLKITSGGVIFQSPMLSVQPINNVKPDPP 240  
Db 183 FQMVHCNCSVHECCBCLVPVPTAKLNDTLMLCLKITSGGVIFQSPMLSVQPINNVKPDPP 242  
Qy 241 LGLHMEITDDGNLKITSSNPPLVPFPLOQYQVKSSENSTTVIREADKIVSATSLVDSILP 300  
Db 243 LGLHMEITDDGNLKITSSNPPLVPFPLOQYQVKSSENSTTVIREADKIVSATSLVDSILP 302  
Qy 301 GSSYEVOVRKRLDGPQIWSDMSTPRVFTTQDVIYFPKILTSVGSNVSFHCYKKNKI 360  
Db 303 GSSYEVOVRKRLDGPQIWSDMSTPRVFTTQDVIYFPKILTSVGSNVSFHCYKKNKI 362  
Qy 361 VPSKEIYVWNNLAEKIPQSYDVVSDHVSQVTFNLTNETKPRGKFTYDVCYCCNEHECHH 420  
Db 363 VPSKEIYVWNNLAEKIPQSYDVVSDHVSQVTFNLTNETKPRGKFTYDVCYCCNEHECHH 422  
Qy 421 RYAEIYVIDVNNISCTDGYLTMTKRWSTSTIQSLAESTLQRLYHRSLSYCSIDPSIH 480  
Db 423 RYAEIYVIDVNNISCTDGYLTMTKRWSTSTIQSLAESTLQRLYHRSLSYCSIDPSIH 482  
Qy 481 PISEPKDCYLOSDGFYECIFQPIFLLSGVTMTWIRINHSGLSDSPPTCVLPDSVVKPLPP 540  
Db 483 PISEPKDCYLOSDGFYECIFQPIFLLSGVTMTWIRINHSGLSDSPPTCVLPDSVVKPLPP 542  
Qy 541 SSVKAEITINIGLLKISWEKPVPENNLQFQIRYGLSGKEVQWKYEVYDAKSKSVSLPV 600  
Db 543 SSVKAEITINIGLLKISWEKPVPENNLQFQIRYGLSGKEVQWKYEVYDAKSKSVSLPV 602  
Qy 601 PDLCAVYAVQVRKRLDGLGYWSNWSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
Db 603 PDLCAVYAVQVRKRLDGLGYWSNWSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 662  
Qy 661 TLLWKLPLMKNDLSQVQRYVINHHTSCNGTWSDEDVGNHTKFTFLWTEQAHTVTVLAINSI 720



CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Poissant, Brian M.  
REGISTRATION NUMBER: 28,462  
REFERENCE/DOCKET NUMBER: 8907-032  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 960 amino acids  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-640-389A-3

Query Match 99.1%; Score 4325; DB 2; Length 960;  
Best Local Similarity 99.4%; Pred. No. 0;  
Matches 796; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 MICQKFCVLLHWEFIYVITAFNLSYPTTPWRFKLSCHMPNPNSTYDYFLLPAGLSKNTSNS 60  
DB 3 MICQKFCVLLHWEFIYVITAFNLSYPTTPWRFKLSCHMPNPNSTYDYFLLPAGLSKNTSNS 62  
QY 61 NGHYETAPEKFNSSGTHFSNLKTTTCCFRSEQRNCSLCADNIEGKTFVSTVNSLVF 120  
DB 63 NGHYETAPEKFNSSGTHFSNLKTTTCCFRSEQRNCSLCADNIEGRTFVSTVNSLVF 122  
QY 121 QQIDANNIQCWLKGLKFLICYVESLFKNLFRNRYNKVHLLYVLPVLEDSPLVPQKGS 180  
DB 123 QQIDANNIQCWLKGLKFLICYVESLFKNLFRNRYNKVHLLYVLPVLEDSPLVPQKGS 182  
QY 181 FQMVHCNCSVHECCCLVPVPTAKLNDTLMLCKLITSGGVIFQSPPLMSVQPINNVKPDPP 240  
DB 183 FQMVHCNCSVHECCCLVPVPTAKLNDTLMLCKLITSGGVIFRSPLMSVQPINNVKPDPP 242  
QY 241 LGLHMETDGNLKISSPPPLVPEPQYQVYKYSNSTTVIREADKIVSATSLVDVILP 300  
DB 243 LGLHMETDGNLKISSPPPLVPEPQYQVYKYSNSTTVIREADKIVSATSLVDVILP 302  
QY 301 GSSVEQVRGKRLDGPQIWSDMSTPRVFTQDVIYFPFKILTSVGSNVSFHCYKKNKI 360  
DB 303 GSSVEQVRGKRLDGPQIWSDMSTPRVFTQDVIYFPFKILTSVGSNVSFHCYKKNKI 362  
QY 361 VPSKEIYVWNNLAEKIPQSQYDVVSDHVSQVTFNLPNETPRGFTYDAYVCCNEHCHH 420  
DB 363 VPSKEIYVWNNLAEKIPQSQYDVVSDHVSQVTFNLPNETPRGFTYDAYVCCNEHCHH 422  
QY 421 RYAEIYVIDVNIINISCTDGLTKMTCRWSTSTIOSLAESTLQRLYHRSLSYSDIPSIIH 480  
DB 423 RYAEIYVIDVNIINISCTDGLTKMTCRWSTSTIOSLAESTLQRLYHRSLSYSDIPSIIH 482  
QY 481 PISEPKDCYLQSDGFYECIFQPIFLLSGYTMIWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540  
DB 483 PISEPKDCYLQSDGFYECIFQPIFLLSGYTMIWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 542  
QY 541 SSVKAEITINIGLLKISWEKVPVPENNLQFOIRYGLSGKEVQWKEVYDAKSKVSLPV 600  
DB 543 SSVKAEITINIGLLKISWEKVPVPENNLQFOIRYGLSGKEVQWKEVYDAKSKVSLPV 602  
QY 601 PDLCAVAVQVRKRLDGLGYNWNSNPATVYVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
DB 603 PDLCAVAVQVRKRLDGLGYNWNSNPATVYVMDIKVPMRGPEFWRIINGDTMKKEKNV 662  
QY 661 TLLWKPMLKNDLSCVQRYVINHTSCNGTWSEDVGNHTKFTFLWTEQATVTVLAINSI 720  
DB 663 TLLWKPMLKNDLSCVQRYVINHTSCNGTWSEDVGNHTKFTFLWTEQATVTVLAINSI 722  
QY 721 GASVANFNLTFSWPMKVNIVQSLSAYPLNSSCVIVSWILSPSDYKLMYPIIEWKNLNE 780  
DB 723 GASVANFNLTFSWPMKVNIVQSLSAYPLNSSCVIVSWILSPSDYKLMYPIIEWKNLNE 782

QY 781 GEIKWLRISSSVKKYIYHGKF 801  
DB 783 GEIKWLRISSSVKKYIYHDHF 803

RESULT 9  
US-08-693-696-8  
Sequence 8, Application US/08693696  
Patent No. 6005080  
GENERAL INFORMATION:  
APPLICANT: Snodgrass, H. R.  
APPLICANT: Cioffi, Joseph  
APPLICANT: Zupancic, Thomas J.  
APPLICANT: Shafer, Alan W.  
TITLE OF INVENTION: HU-BI.219, A NOVEL HUMAN HEMATOPOIETIN  
TITLE OF INVENTION: RECEPTOR  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/693,696  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/355,888  
FILING DATE: 14-DEC-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Poissant, Brian M.  
REGISTRATION NUMBER: 28,462  
REFERENCE/DOCKET NUMBER: 7225-078  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 960 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-693-696-8

Query Match 99.1%; Score 4325; DB 3; Length 960;  
Best Local Similarity 99.4%; Pred. No. 0;  
Matches 796; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 MICQKFCVLLHWEFIYVITAFNLSYPTTPWRFKLSCHMPNPNSTYDYFLLPAGLSKNTSNS 60  
DB 3 MICQKFCVLLHWEFIYVITAFNLSYPTTPWRFKLSCHMPNPNSTYDYFLLPAGLSKNTSNS 62  
QY 61 NGHYETAPEKFNSSGTHFSNLKTTTCCFRSEQRNCSLCADNIEGKTFVSTVNSLVF 120  
DB 63 NGHYETAPEKFNSSGTHFSNLKTTTCCFRSEQRNCSLCADNIEGRTFVSTVNSLVF 122  
QY 121 QQIDANNIQCWLKGLKFLICYVESLFKNLFRNRYNKVHLLYVLPVLEDSPLVPQKGS 180  
DB 123 QQIDANNIQCWLKGLKFLICYVESLFKNLFRNRYNKVHLLYVLPVLEDSPLVPQKGS 182  
QY 181 FQMVHCNCSVHECCCLVPVPTAKLNDTLMLCKLITSGGVIFQSPPLMSVQPINNVKPDPP 240  
DB 183 FQMVHCNCSVHECCCLVPVPTAKLNDTLMLCKLITSGGVIFRSPLMSVQPINNVKPDPP 242

241 LGLHMEITDDGNLAKISSPPLPPEPQYQVYKSENSTTVIREADKIVSATSLLDVDSILP 300  
243 LGLHMEITDDGNLAKISSPPLPPEPQYQVYKSENSTTVIREADKIVSATSLLDVDSILP 302  
301 GSSYEVOVGRKRLDGPGLGWSMDSTPRVFTQDVYFPPKILTSVGSNVSFHCYKKNKI 360  
303 GSSYEVOVGRKRLDGPGLGWSMDSTPRVFTQDVYFPPKILTSVGSNVSFHCYKKNKI 362  
361 VPSKEIYVMMNLAEKIPQSQDYVVDVSHVSKVTFFNLNETPRGKFTYDVCNHECHH 420  
363 VPSKEIYVMMNLAEKIPQSQDYVVDVSHVSKVTFFNLNETPRGKFTYDVCNHECHH 422  
421 RYAEIYVIDVNNISCTDGYLTNMTCRWSTSTIQSLAESTLQRYHRSSLYCSDIPSIIH 480  
423 RYAEIYVIDVNNISCTDGYLTNMTCRWSTSTIQSLAESTLQRYHRSSLYCSDIPSIIH 482  
481 PISEPKDCYQSDGFEYCIFQPIFLLSGYTMWIRINHSLSGLDSPPTCVLPDSVVKPLPP 540  
483 PISEPKDCYQSDGFEYCIFQPIFLLSGYTMWIRINHSLSGLDSPPTCVLPDSVVKPLPP 542  
541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKMYEYDAKSKSVSLPV 600  
543 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKMYEYDAKSKSVSLPV 602  
601 PDLCAVAVQVRCRDLGLGWSNWSNPAYTVVMDIKVPMRGPEFWRINGDTMKKKNV 660  
603 PDLCAVAVQVRCRDLGLGWSNWSNPAYTVVMDIKVPMRGPEFWRINGDTMKKKNV 662  
661 TLLWKPLMKNDLSQVQRYVINHHSTSCNGTWSDEDVGNHRTFTFLWTQEAHTVTVLAINSI 720  
663 TLLWKPLMKNDLSQVQRYVINHHSTSCNGTWSDEDVGNHRTFTFLWTQEAHTVTVLAINSI 722  
721 GASVANENLTFSPMKSQVNIQSLSAYPLNSSCVIVSWILSPSDYKLMFYIEKKNLNE 780  
723 GASVANENLTFSPMKSQVNIQSLSAYPLNSSCVIVSWILSPSDYKLMFYIEKKNLNE 782  
781 GEIKWLRISSSKVKKYIYHGRF 801  
783 GEIKWLRISSSKVKKYIYHDIHF 803

RESULT 10  
US-08-588-190-3  
Sequence 3, Application US/08588190  
Patent No. 5856098  
GENERAL INFORMATION:  
APPLICANT: Snodgrass, H. Ralph  
APPLICANT: Cioffi, Joseph  
APPLICANT: Zupancic, Thomas Joel  
APPLICANT: Shafer, Alan Wayne  
TITLE OF INVENTION: DETECTION OF A LEPTIN RECEPTOR  
TITLE OF INVENTION: VARIANT AND METHODS FOR REGULATING OBESITY  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds LLP  
STREET: 1155 Avenue of The Americas  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10036-2811  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/588,190  
FILING DATE: 18-JAN-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:

ATTORNEY/AGENT INFORMATION:  
NAME: Poissant, Brian M.  
REGISTRATION NUMBER: 28,462  
REFERENCE/DOCKET NUMBER: 008907-0029-999  
TELEPHONE: 650-493-4935  
TELEFAX: 650-493-5556  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 960 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-588-190-3

Query Match 99.0%; Score 4320; DB 2; Length 960;  
Best Local Similarity 99.3%; Pred. No. 0;  
Matches 795; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 1 MICQKFCVLLHHEFYIVITAFNLSYDITPWRPKLSCMPNPNSTYDYFLLPAGLSKNTSNS 60  
DB 3 MICQKFCVLLHHEFYIVITAFNLSYDITPWRPKLSCMPNPNSTYDYFLLPAGLSKNTSNS 62  
QY 61 NGHYETAVERPEKNSGTHFSNLSKTTTFFHCCFRSEODRNCISLCADNIEGRTFVSTVNSLVF 120  
DB 63 NGHYETAVERPEKNSGTHFSNLSKTTTFFHCCFRSEODRNCISLCADNIEGRTFVSTVNSLVF 122  
QY 121 QQIDANNIQCWLKGLDKLFICYVESLFKNLFRNYKVHLLVYVLPVLEDSPLVPQKGS 180  
DB 123 QQIDANNIQCWLKGLDKLFICYVESLFKNLFRNYKVHLLVYVLPVLEDSPLVPQKGS 182  
QY 181 FQVHVCNCSVHECECECLVPVPTAKLNDTLMLCLKITSGGVIFQSPPLASVQPINNVKPDPP 240  
DB 183 FQVHVCNCSVHECECECLVPVPTAKLNDTLMLCLKITSGGVIFQSPPLASVQPINNVKPDPP 242  
QY 241 LGLHMEITDDGNLAKISSPPLPPEPQYQVYKSENSTTVIREADKIVSATSLLDVDSILP 300  
DB 243 LGLHMEITDDGNLAKISSPPLPPEPQYQVYKSENSTTVIREADKIVSATSLLDVDSILP 302  
QY 301 GSSYEVOVGRKRLDGPGLGWSMDSTPRVFTQDVYFPPKILTSVGSNVSFHCYKKNKI 360  
DB 303 GSSYEVOVGRKRLDGPGLGWSMDSTPRVFTQDVYFPPKILTSVGSNVSFHCYKKNKI 362  
QY 361 VPSKEIYVMMNLAEKIPQSQDYVVDVSHVSKVTFFNLNETPRGKFTYDVCNHECHH 420  
DB 363 VPSKEIYVMMNLAEKIPQSQDYVVDVSHVSKVTFFNLNETPRGKFTYDVCNHECHH 422  
QY 421 RYAEIYVIDVNNISCTDGYLTNMTCRWSTSTIQSLAESTLQRYHRSSLYCSDIPSIIH 480  
DB 423 RYAEIYVIDVNNISCTDGYLTNMTCRWSTSTIQSLAESTLQRYHRSSLYCSDIPSIIH 482  
QY 481 PISEPKDCYQSDGFEYCIFQPIFLLSGYTMWIRINHSLSGLDSPPTCVLPDSVVKPLPP 540  
DB 483 PISEPKDCYQSDGFEYCIFQPIFLLSGYTMWIRINHSLSGLDSPPTCVLPDSVVKPLPP 542  
QY 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKMYEYDAKSKSVSLPV 600  
DB 543 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKMYEYDAKSKSVSLPV 602  
QY 601 PDLCAVAVQVRCRDLGLGWSNWSNPAYTVVMDIKVPMRGPEFWRINGDTMKKKNV 660  
DB 603 PDLCAVAVQVRCRDLGLGWSNWSNPAYTVVMDIKVPMRGPEFWRINGDTMKKKNV 662  
QY 661 TLLWKPLMKNDLSQVQRYVINHHSTSCNGTWSDEDVGNHRTFTFLWTQEAHTVTVLAINSI 720  
DB 663 TLLWKPLMKNDLSQVQRYVINHHSTSCNGTWSDEDVGNHRTFTFLWTQEAHTVTVLAINSI 722  
QY 721 GASVANENLTFSPMKSQVNIQSLSAYPLNSSCVIVSWILSPSDYKLMFYIEKKNLNE 780  
DB 723 GASVANENLTFSPMKSQVNIQSLSAYPLNSSCVIVSWILSPSDYKLMFYIEKKNLNE 782



```
QY 781 GEIKWLRISSSVKYYIHGKF 801
Db 783 GEIKWLRISSSVKYYIHDF 803

RESULT 11
US-08-588-526-3
; Sequence 3, Application US/08588526
; Patent No. 5882860
; GENERAL INFORMATION:
; APPLICANT: Snodgrass, H.
; APPLICANT: Cioffi, Joseph
; APPLICANT: Zupancic, Thomas
; APPLICANT: Shafer, Alan
; TITLE OF INVENTION: DETECTION OF A LEPTIN RECEPTOR
; TITLE OF INVENTION: VARIANT
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/588.526
; FILING DATE: 18-JAN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-030
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 908 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-588-526-3

Query Match 98.98; Score 4315; DB 2; Length 908;
Best Local Similarity 99.18; Pred. No. 0;
Matches 794; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 MICOKFCVLLHWEFIVITAFNLSPITPRFKLSKMPNSTYDYFLLPAGLSKNTSNS 60
Db 3 MICOKFCVLLHWEFIVITAFNLSPITPRFKLSKMPNSTYDYFLLPAGLSKNTSNS 62
QY 61 NGHYETAPEKFNSSGTHFSNLSKTTTHCCFRSEQRNCSLCADNIEGKTFVSTVNSLVF 120
Db 63 NGHYETAPEKFNSSGTHFSNLSKATPHCCFRSEQRNCSLCADNIEGRTFVSTVNSLVF 122
QY 121 QQIDANNIQCWLKGLDKLFICVYESLFKNLFNRYNKKVHLLVLPVLEDSPLVPQKGS 180
Db 123 QQIDANNIQCWLKGLDKLFICVYESLFKNLFNRYNKKVHLLVLPVLEDSPLVPQKGS 182
QY 181 FQMVHCNCSVHECECLVPVPTAKLNDTLMCLKITSGGVIFOSPLMSVOPINNVKPDPP 240
Db 183 FQMVHCNCSVHECECLVPVPTAKLNDTLMCLKITSGGVIFRSPLMSVOPINNVKPDPP 242
QY 241 LGLHMEITDDGNLKIWSWSPPLVPFPLOQYQVYSENSTTVIREADKIYVTSATSLVDSILP 300

Db 243 LGLHMEITDDGNLKIWSWSPPLVPFPLOQYQVYSENSTTVIREADKIYVTSATSLVDSILP 302
QY 301 GSSYEYQVGRKRLDGPICINSDWSTPRVFTTQDVIYPPPKILTSGVSNVSPHCYKKNKI 360
Db 303 GSSYEYQVGRKRLDGPICINSDWSTPRVFTTQDVIYPPPKILTSGVSNVSPHCYKKNKI 362
QY 361 VPSKEIYVMMNLAEKIPQSQYDVVSDHVSQVTFNFKPRGKFTYDAYVCCNEHECHH 420
Db 363 VPSKEIYVMMNLAEKIPQSQYDVVSDHVSQVTFNFKPRGKFTYDAYVCCNEHECHH 422
QY 421 RYAEIYVIVNINISCTDGYLTAKMTCRWSTSTIQSLAESTLQRLYHRSLSYCDIPSIH 480
Db 423 RYAEIYVIVNINISCTDGYLTAKMTCRWSTSTIQSLAESTLQRLYHRSLSYCDIPSIH 482
QY 481 PISEPKDCYLOSDGFYECIFQPIFLLSGYTWMIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540
Db 483 PISEPKDCYLOSDGFYECIFQPIFLLSGYTWMIRINHSLSGLSDSPPTCVLPDSVVKPLPP 542
QY 541 SSVKAEITINIGLLKISWEKVPFPENNLOQIRYGLSGKEVQMKYEVYDAKSYSVSLPV 600
Db 543 SSVKREITINIGLLKISWEKVPFPENNLOQIRYGLSGKEVQMKYEVYDRKSYSVSLPV 602
QY 601 PDLCAVYAVQVRCKRLDGLGYSNWSNPAYTVMDIKVPMRGPFWRIINGDTMKKNV 660
Db 603 PDLCAVYAVQVRCKRLDGLGYSNWSNPAYTVMDIKVPMRGPFWRIINGDTMKKNV 662
QY 661 TLLWKPLMKNDSLCSVQRYVINHHTSCNCTWSEDVGNHTKFTFLWTEQAHVTVLAINSI 720
Db 663 TLLWKPLMKNDSLCSVQRYVINHHTSCNCTWSEDVGNHTKFTFLWTEQAHVTVLAINSI 722
QY 721 GASVANFNLTFSWPMKVNIVOSLSAYPLNNSCVIVSWILSPSDYKLMYFIIEMKNLND 780
Db 723 GASVANFNLTFSWPMKVNIVOSLSAYPLNNSCVIVSWILSPSDYKLMYFIIEMKNLND 782
QY 781 GEIKWLRISSSVKYYIHGKF 801
Db 783 GEIKWLRISSSVKYYIHDF 803

RESULT 12
US-08-640-389A-11
; Sequence 11, Application US/08640389A
; Patent No. 5912123
; GENERAL INFORMATION:
; APPLICANT: Snodgrass, H. R.
; APPLICANT: Cioffi, Joseph
; APPLICANT: Zupancic, Thomas J.
; APPLICANT: Shafer, Alan W.
; TITLE OF INVENTION: DETECTION OF THE LEPTIN
; TITLE OF INVENTION: RECEPTOR IN REPRODUCTIVE ORGANS AND METHODS FOR
; TITLE OF INVENTION: REGULATING REPRODUCTIVE BIOLOGY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 29-APR-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-032
```

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1165 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
US-08-640-389A-11

Query Match		98.8%	Score 4309;	DB 2;	Length 1165;	
Best Local Similarity		99.1%	Pred. No. 0;			
Matches 794;		Conservative	0;	Mismatches	7;	Indels 0; Gaps 0;
Qy	1	MICQKFCVLLHWEFIYVITAFNLSPITPWRFKLSCHMPNSTYDYFLLPAGLSKNTSNS	60			
Db	1	MICQKFCVLLHWEFIYVITAFNLSPITPWRFKLSCHMPNSTYDYFLLPAGLSKNTSNS	60			
Qy	61	NGHYETAPEPKFNSSGTHFSNLSKTTFFHCCFRSEQDRNCSLCADNTEGKTFVSTVNSLVF	120			
Db	61	NGHYETAPEPKFNSSGTHFSNLSKTTFFHCCFRSEQDRNCSLCADNTEGKTFVSTVNSLVF	120			
Qy	121	QOIDANNWITQCKLGDGLKFCYVESLFKNLFRNRYNYKVHLLYVLEVLDSPLVPQKGS	180			
Db	121	QOIDANNWITQCKLGDGLKFCYVESLFKNLFRNRYNYKVHLLYVLEVLDSPLVPQKGS	180			
Qy	181	QOIDANNWITQCKLGDGLKFCYVESLFKNLFRNRYNYKVHLLYVLEVLDSPLVPQKGS	180			
Db	181	QOIDANNWITQCKLGDGLKFCYVESLFKNLFRNRYNYKVHLLYVLEVLDSPLVPQKGS	180			
Qy	241	LGLHMETDDGNLKIWSWSSPPLVPFPLOQVQKYSNSTTIVREADKIVSATSLLVDSILP	300			
Db	241	LGLHMETDDGNLKIWSWSSPPLVPFPLOQVQKYSNSTTIVREADKIVSATSLLVDSILP	300			
Qy	301	GSSYEQVQRKLDGPGIWSDMSTPRVFTTQDVIYFPFKILTSGVSNVSRHCYKKNKI	360			
Db	301	GSSYEQVQRKLDGPGIWSDMSTPRVFTTQDVIYFPFKILTSGVSNVSRHCYKKNKI	360			
Qy	361	VPSKEIYVWNNLAEKIPQSQVDVYSDHVSQVTFENLNETKPRGFTYDAVYCCNEHECHH	420			
Db	361	VPSKEIYVWNNLAEKIPQSQVDVYSDHVSQVTFENLNETKPRGFTYDAVYCCNEHECHH	420			
Qy	421	RYAELIVIDVNNINISCTDGYLTAKMTCTWSTSTIOSLAESTLQRLYHSSSLYCSDIPIH	480			
Db	421	RYAELIVIDVNNINISCTDGYLTAKMTCTWSTSTIOSLAESTLQRLYHSSSLYCSDIPIH	480			
Qy	481	PISPEKCYLQSDGFEYCFIFOPIFELLSGYTWIRINHSLGSDSPPTCVLPDSVVKPLPP	540			
Db	481	PISPEKCYLQSDGFEYCFIFOPIFELLSGYTWIRINHSLGSDSPPTCVLPDSVVKPLPP	540			
Qy	541	SSVKAETINTGLLKISWKEKVPFENNLOFQIRYGLSGKEVQWKNYEVYDAKSVSPLV	600			
Db	541	SSVKAETINTGLLKISWKEKVPFENNLOFQIRYGLSGKEVQWKNYEVYDAKSVSPLV	600			
Qy	601	PDLCAVAVQVCKRDLGLGYKSNNSNPAYTVYMDIKVPMRGPFWIRINGDTMKKKNV	660			
Db	601	PDLCAVAVQVCKRDLGLGYKSNNSNPAYTVYMDIKVPMRGPFWIRINGDTMKKKNV	660			
Qy	661	TLWLKPLMKNDLSCSVQRYVYINHTSCNTWSEDVGNHTKFTFLWTEQAHTVTLAINSI	720			
Db	661	TLWLKPLMKNDLSCSVQRYVYINHTSCNTWSEDVGNHTKFTFLWTEQAHTVTLAINSI	720			
Qy	721	GASVANFNLTFSWPKSNVIVQSLAYPLNNSCVIVSWILSPSDYKLMYFIETWKNLND	780			
Db	721	GASVANFNLTFSWPKSNVIVQSLAYPLNNSCVIVSWILSPSDYKLMYFIETWKNLND	780			
Qy	781	GEIKWLRISSSVKYYIHGKF 801				
Db	781	GEIKWLRISSSVKYYIHDF 801				

RESULT 13  
US-08-640-389A-10  
Sequence 10, Application US/08640389A  
Patent No. 5912123  
GENERAL INFORMATION:  
APPLICANT: Snodgrass, H. R.  
APPLICANT: Cioffi, Joseph  
APPLICANT: Zupancic, Thomas J.  
APPLICANT: Shafer, Alan W.  
TITLE OF INVENTION: DETECTION OF THE LEPTIN  
RECEPTOR IN REPRODUCTIVE ORGANS AND METHODS FOR  
REGULATING REPRODUCTIVE BIOLOGY  
TITLE OF INVENTION: REGULATING REPRODUCTIVE BIOLOGY  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds LLP  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/640,389A  
FILING DATE: 29-APR-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Poissant, Brian M.  
REGISTRATION NUMBER: 28,462  
REFERENCE/DOCKET NUMBER: 8907-032  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 896 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
US-08-640-389A-10

Query Match		98.5%	Score 4297;	DB 2;	Length 896;	
Best Local Similarity		98.8%	Pred. No. 0;			
Matches 791;		Conservative	2;	Mismatches	8;	Indels 0; Gaps 0;
Qy	1	MICQKFCVLLHWEFIYVITAFNLSPITPWRFKLSCHMPNSTYDYFLLPAGLSKNTSNS	60			
Db	1	MICQKFCVLLHWEFIYVITAFNLSPITPWRFKLSCHMPNSTYDYFLLPAGLSKNTSNS	60			
Qy	61	NGHYETAPEPKFNSSGTHFSNLSKTTFFHCCFRSEQDRNCSLCADNTEGKTFVSTVNSLVF	120			
Db	61	NGHYETAPEPKFNSSGTHFSNLSKTTFFHCCFRSEQDRNCSLCADNTEGKTFVSTVNSLVF	120			
Qy	121	QOIDANNWITQCKLGDGLKFCYVESLFKNLFRNRYNYKVHLLYVLEVLDSPLVPQKGS	180			
Db	121	QOIDANNWITQCKLGDGLKFCYVESLFKNLFRNRYNYKVHLLYVLEVLDSPLVPQKGS	180			
Qy	181	QOIDANNWITQCKLGDGLKFCYVESLFKNLFRNRYNYKVHLLYVLEVLDSPLVPQKGS	180			
Db	181	QOIDANNWITQCKLGDGLKFCYVESLFKNLFRNRYNYKVHLLYVLEVLDSPLVPQKGS	180			
Qy	241	LGLHMETDDGNLKIWSWSSPPLVPFPLOQVQKYSNSTTIVREADKIVSATSLLVDSILP	300			
Db	241	LGLHMETDDGNLKIWSWSSPPLVPFPLOQVQKYSNSTTIVREADKIVSATSLLVDSILP	300			

QY 301 GSSYEVOVRGKRLDGPGLIWSQWSTPRVFTTQDVIFPPKILTSVGSNSVSRFHCYIKKENKI 360  
Db 301 GSSYEVOVRGKRLDGPGLIWSQWSTPRVFTTQDVIFPPKILTSVGSNSVSRFHCYIKKENKI 360  
QY 361 VPSKEIYVMMNLAEKIPQSQYDVVSDRVSKVTFFNLNTRKRGFTYDAVYCCNEHECHH 420  
Db 361 VPSKEIYVMMNLAEKIPQSQYDVVSDRVSKVTFFNLNTRKRGFTYDAVYCCNEHECHH 420  
QY 421 RYAEIYVIVDWNINISCTDGYLTKMTCRWSTSTIQSLAESTLQLRHRSLSYCDIPSIIH 480  
Db 421 RYAEIYVIVDWNINISCTDGYLTKMTCRWSTSTIQSLAESTLQLRHRSLSYCDIPSIIH 480  
QY 481 PISEPKDCYLOSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540  
Db 481 PISEPKDCYLOSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540  
QY 541 SSVKAEITINIGLLKISWEKPVFPENNLFQIRYGLSGKEVQWKMVEYDAKSKSVSLPV 600  
Db 541 SSVKAEITINIGLLKISWEKPVFPENNLFQIRYGLSGKEVQWKMVEYDAKSKSVSLPV 600  
QY 601 PDLCAVYAVQVRCKRLDGLGYNSWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
Db 601 PDLCAVYAVQVRCKRLDGLGYNSWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
QY 661 TLLWKPMLKNDLSLCSVQRYVINHHTSCNGTWSEDVGNHTKFTFLWTEQAHVTVLAINSI 720  
Db 661 TLLWKPMLKNDLSLCSVQRYVINHHTSCNGTWSEDVGNHTKFTFLWTEQAHVTVLAINSI 720  
QY 721 GASVANFNLTFSWPMKSNVIVQSLAYSPLNSSCVIVSWILSPSDYKLMYFIIEWKNLNED 780  
Db 721 GASVANFNLTFSWPMKSNVIVQSLAYSPLNSSCVIVSWILSPSDYKLMYFIIEWKNLNED 780  
QY 781 GEIKWLRISSSVKYYIHDHF 801  
Db 781 GEIKWLRISSSVKYYIHDHF 801

RESULT 14

US-08-640-389A-9  
Sequence 9, Application US/08640389A  
Patent No. 5912123  
GENERAL INFORMATION:  
APPLICANT: Snodgrass, H. R.  
APPLICANT: Clouff, Joseph  
APPLICANT: Zupancic, Thomas J.  
APPLICANT: Shafer, Alan W.  
TITLE OF INVENTION: DETECTION OF THE LEPTIN  
RECEPTOR IN REPRODUCTIVE ORGANS AND METHODS FOR  
REGULATING REPRODUCTIVE BIOLOGY  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds LLP  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/640,389A  
FILING DATE: 29-APR-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Poissant, Brian M.  
REGISTRATION NUMBER: 28,462  
REFERENCE/DOCKET NUMBER: 8907-032  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864

TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 906 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
US-08-640-389A-9

Query Match 98.5%; Score 4297; DB 2; Length 906;  
Best Local Similarity 98.8%; Pred. No. 0;  
Matches 791; Conservative 2; Mismatches 8; Indels 0; Gaps 0;

QY 1 MICQKFCVLLHWEFIVITAFNLSYDITPWRFKLSKMPNPNSTYDYFLLPAGLSKNTSNS 60  
Db 1 MICQKFCVLLHWEFIVITAFNLSYDITPWRFKLSKMPNPNSTYDYFLLPAGLSKNTSNS 60  
QY 61 NGHYETAVERPKFNSGTHFSNLSKTTFFHCCFRSEQDRNCSLCADNIEGKTFVSTVNSLVF 120  
Db 61 NGHYETAVERPKFNSGTHFSNLSKATFHCFCFRSEQDRNCSLCADNIEGRTFVSTVNSLVF 120  
QY 121 QQIDANNIOCLWKGDLKFLFCYVESLFLKFLFRNYKVVHLLVYLPEVLEDSPLVPQKGS 180  
Db 121 QQIDANNIOCLWKGDLKFLFCYVESLFLKFLFRNYKVVHLLVYLPEVLEDSPLVPQKGS 180  
QY 181 FQMVHCNCSVHECECLVPPVPTAKLNDTLMLCKLITSGGVIFQSPPLMSVOPINNVKPDPP 240  
Db 181 FQMVHCNCSVHECECLVPPVPTAKLNDTLMLCKLITSGGVIFRSPPLMSVOPINNVKPDPP 240  
QY 241 LGLHMETDGNLKIWSPPPLVPFPLOQYQVYKYSNTTIVIRREADKIVSATSLDVSILP 300  
Db 241 LGLHMETDGNLKIWSPPPLVPFPLOQYQVYKYSNTTIVIRREADKIVSATSLDVSILP 300  
QY 301 GSSYEVOVRGKRLDGPGLIWSQWSTPRVFTTQDVIFPPKILTSVGSNSVSRFHCYIKKENKI 360  
Db 301 GSSYEVOVRGKRLDGPGLIWSQWSTPRVFTTQDVIFPPKILTSVGSNSVSRFHCYIKKENKI 360  
QY 361 VPSKEIYVMMNLAEKIPQSQYDVVSDRVSKVTFFNLNTRKRGFTYDAVYCCNEHECHH 420  
Db 361 VPSKEIYVMMNLAEKIPQSQYDVVSDRVSKVTFFNLNTRKRGFTYDAVYCCNEHECHH 420  
QY 421 RYAEIYVIVDWNINISCTDGYLTKMTCRWSTSTIQSLAESTLQLRHRSLSYCDIPSIIH 480  
Db 421 RYAEIYVIVDWNINISCTDGYLTKMTCRWSTSTIQSLAESTLQLRHRSLSYCDIPSIIH 480  
QY 481 PISEPKDCYLOSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540  
Db 481 PISEPKDCYLOSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540  
QY 541 SSVKAEITINIGLLKISWEKPVFPENNLFQIRYGLSGKEVQWKMVEYDAKSKSVSLPV 600  
Db 541 SSVKAEITINIGLLKISWEKPVFPENNLFQIRYGLSGKEVQWKMVEYDAKSKSVSLPV 600  
QY 601 PDLCAVYAVQVRCKRLDGLGYNSWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
Db 601 PDLCAVYAVQVRCKRLDGLGYNSWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
QY 661 TLLWKPMLKNDLSLCSVQRYVINHHTSCNGTWSEDVGNHTKFTFLWTEQAHVTVLAINSI 720  
Db 661 TLLWKPMLKNDLSLCSVQRYVINHHTSCNGTWSEDVGNHTKFTFLWTEQAHVTVLAINSI 720  
QY 721 GASVANFNLTFSWPMKSNVIVQSLAYSPLNSSCVIVSWILSPSDYKLMYFIIEWKNLNED 780  
Db 721 GASVANFNLTFSWPMKSNVIVQSLAYSPLNSSCVIVSWILSPSDYKLMYFIIEWKNLNED 780  
QY 781 GEIKWLRISSSVKYYIHDHF 801  
Db 781 GEIKWLRISSSVKYYIHDHF 801

US-08-640-389A-8

; Sequence 8, Application US/08640389A

; Patent No. 5912123

; GENERAL INFORMATION:

; APPLICANT: Snodgrass, H. R.

; APPLICANT: Cioffi, Joseph

; APPLICANT: Zupancic, Thomas J.

; APPLICANT: Shafer, Alan W.

; TITLE OF INVENTION: DETECTION OF THE LEPTIN

; TITLE OF INVENTION: RECEPTOR IN REPRODUCTIVE ORGANS AND METHODS FOR

; TITLE OF INVENTION: REGULATING REPRODUCTIVE BIOLOGY

; NUMBER OF SEQUENCES: 16

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds LLP

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: USA

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/640,389A

; FILING DATE: 29-APR-1996

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Polissant, Brian M.

; REGISTRATION NUMBER: 28,462

; REFERENCE/DOCKET NUMBER: 8907-032

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 790-9090

; TELEFAX: (212) 869-9741/8864

; TELEX: 66141 PENNIE

; INFORMATION FOR SEQ ID NO: 8:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 958 amino acids

; TYPE: amino acid

; STRANDEDNESS:

; TOPOLOGY: unknown

; MOLECULE TYPE: peptide

; US-08-640-389A-8

Query Match 98.5%; Score 4297; DB 2; Length 958;  
Best Local Similarity 98.8%; Pred. No. 0;  
Matches 791; Conservative 2; Mismatches 8; Indels 0; Gaps 0;

QY	1	MICOKFCVLLHWEFYIVITAFNLSYPTIPWRFKLSMPNPNSTYDYFLLPAGLSKNTSNS	60
Db	1	MICOKFCVLLHWEFYIVITAFNLSYPTIPWRFKLSMPNPNSTYDYFLLPAGLSKNTSNS	60
QY	61	NGHYETAPEKFNSSGTHFNSLKTFFHCCFSEQRNCSLCADNIEGKTFVSTVNSLVF	120
Db	61	NGHYETAPEKFNSSGTHFNSLKTFFHCCFSEQRNCSLCADNIEGKTFVSTVNSLVF	120
QY	121	QQIDANNIOCLWGLKGLKFCVSVESFKNLFRNYKVHLLVYLPVLEDSPLVPQKGS	180
Db	121	QQIDANNIOCLWGLKGLKFCVSVESFKNLFRNYKVHLLVYLPVLEDSPLVPQKGS	180
QY	181	FQMVHCNCSVHECCCECLVPVPTAKLNDTLMLCKLITSGGVIFQSPMSVQPINNVKPDPP	240
Db	181	FQMVHCNCSVHECCCECLVPVPTAKLNDTLMLCKLITSGGVIFQSPMSVQPINNVKPDPP	240
QY	241	LGLHMEITDDGNLKIWSSSPPLVPFPLOYQVYKYSNSTTVIREADKIVSATSLVDSILP	300
Db	241	LGLHMEITDDGNLKIWSSSPPLVPFPLOYQVYKYSNSTTVIREADKIVSATSLVDSILP	300
QY	301	GSSYEVOVRCKRLDGGIWSGDWSTPRVFTTQDVIYPPPKILTSGVSNVSPHCYKKENKI	360
Db	301	GSSYEVOVRCKRLDGGIWSGDWSTPRVFTTQDVIYPPPKILTSGVSNVSPHCYKKENKI	360

QY	361	VPSKEIVWMNLAEKIPQSQDYVSDHVSKVTFEFLNENETKPRGKFTYDAYVCCNEHECHH	420
Db	361	VPSKEIVWMNLAEKIPQSQDYVSDHVSKVTFEFLNENETKPRGKFTYDAYVCCNEHECHH	420
QY	421	RYAELVIDVNIINISCTDGYLTKMTCRWNSTSIQSLAESTLQIRYHRSLYCDIPSIH	480
Db	421	RYAELVIDVNIINISCTDGYLTKMTCRWNSTSIQSLAESTLQIRYHRSLYCDIPSIH	480
QY	481	PISEPKDCYLQSDGFECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVWKLPP	540
Db	481	PISEPKDCYLQSDGFECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVWKLPP	540
QY	541	SSVKAETITNIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQMKYEVYDAKSKSVSLPV	600
Db	541	SSVKAETITNIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQMKYEVYDAKSKSVSLPV	600
QY	601	POLCAVYAVQVRCKRLDGLGYWSNPNPAYTVVMDIKVPMRGPEFWRINGDTMKKEKNV	660
Db	601	POLCAVYAVQVRCKRLDGLGYWSNPNPAYTVVMDIKVPMRGPEFWRINGDTMKKEKNV	660
QY	661	TLLWKPMLKNDLSLCSVQRYVINHTSCNGTWSGDSVGNHTKFTFLWTEQAHTVTVLAINSI	720
Db	661	TLLWKPMLKNDLSLCSVQRYVINHTSCNGTWSGDSVGNHTKFTFLWTEQAHTVTVLAINSI	720
QY	721	GASVANFNLTFSWPMKVNIVQSLSAYPLNNSCVIVSWILSPSDYKLMYFIIEMKNLNE	780
Db	721	GASVANFNLTFSWPMKVNIVQSLSAYPLNNSCVIVSWILSPSDYKLMYFIIEMKNLNE	780
QY	781	GEIKWLRISSSVKYIYHGF 801	
Db	781	GEIKWLRISSSVKYIYHGF 801	

Search completed: March 29, 2002, 09:50:12  
Job time: 227 sec



6090; DB 23; Length 804;  
No. 0.00e+00;  
Mismatches 0; Indels 0; Gaps 0;

PTTPWRFKLSCMPPNSTYDYFLLPAGLSKNTNS 60  
PTTPWRFKLSCMPPNSTYDYFLLPAGLSKNTNS 60  
TTFHCCFRSEQDRNCSLCADNIEGKTFVSTVNSLVF 120  
KTTFHCCFRSEQDRNCSLCADNIEGKTFVSTVNSLVF 120  
EYVESLFKNLFRNYNYKVHLLYVLPVLEDSPLVPQKGS 180  
EYVESLFKNLFRNYNYKVHLLYVLPVLEDSPLVPQKGS 180  
TAKLNDTLLMCLKITSGGVIFQSPMLSVQPINMVKPDP 240  
TAKLNDTLLMCLKITSGGVIFQSPMLSVQPINMVKPDP 240  
VPFPLOYQVKYSENSTTVIREADKIVSATSLLVDSILP 300  
VPFPLOYQVKYSENSTTVIREADKIVSATSLLVDSILP 300  
STPRVFTTQDVIYFPPKILTSVGSNVSFHCIIYKKNKI 360  
STPRVFTTQDVIYFPPKILTSVGSNVSFHCIIYKKNKI 360  
VSDHVSQVTFNENETKPRGKFTYDAVYCCNEHECHH 420  
VSDHVSQVTFNENETKPRGKFTYDAVYCCNEHECHH 420  
KMTCRWSTSTIQSLAESTLQRLYHRSSLYCSDIPSII 480  
KMTCRWSTSTIQSLAESTLQRLYHRSSLYCSDIPSII 480  
FLLSGYTMWIRINHSGLSDSPPTCVLPDSVVKPLPP 540  
FLLSGYTMWIRINHSGLSDSPPTCVLPDSVVKPLPP 540  
PENNLOFQIRYGLSGKEVQWKMYEYDAKSKSVSLPV 600  
PENNLOFQIRYGLSGKEVQWKMYEYDAKSKSVSLPV 600  
NWSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
NWSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
HTSCNGTWESEVGNHTKFTFLWTEQAHTVTVLAINSI 720  
HTSCNGTWESEVGNHTKFTFLWTEQAHTVTVLAINSI 720  
LSAYPLNSSCVIVSWILSPSDYKLMYFIIWKNLNED 780  
LSAYPLNSSCVIVSWILSPSDYKLMYFIIWKNLNED 780

601 PDLCAVAVQVRCKRLDGLGWSNPNAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
601 PDLCAVAVQVRCKRLDGLGWSNPNAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
661 TLLWKPLMKNDLSQVQRYVINHTSCNGTWESEVGNHTKFTFLWTEQAHTVTVLAINSI 720  
661 TLLWKPLMKNDLSQVQRYVINHTSCNGTWESEVGNHTKFTFLWTEQAHTVTVLAINSI 720  
721 GASVANFNLTFSWPMKSNVIVQSLAYPLNSSCVIVSWILSPSDYKLMYFIIWKNLNED 780  
721 GASVANFNLTFSWPMKSNVIVQSLAYPLNSSCVIVSWILSPSDYKLMYFIIWKNLNED 780  
781 GEIKWLRISSSVKKYIYHGKFTIL 804  
781 GEIKWLRISSSVKKYIYHGKFTIL 804

US-08-774-414-13  
STANDARD;  
PRT: 804 AA.

xxxxxx

Sequence 13, Application US/08774414

Sequence 13, Application US/08774414  
GENERAL INFORMATION:

CC APPLICANT: CHANG, MING-SHI  
CC APPLICANT: WELCHER, ANDREW A.  
CC APPLICANT: FLETCHER, FREDERICK A.  
CC TITLE OF INVENTION: OB PROTEIN RECEPTOR AND RELATED  
CC TITLE OF INVENTION: COMPOSITIONS AND METHODS  
CC NUMBER OF SEQUENCES: 33  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Amgen Inc.  
CC STREET: 1840 Dehavilland Drive  
CC CITY: Thousand Oaks  
CC STATE: California  
CC COUNTRY: USA  
CC ZIP: 91320  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: PatentIn Release #1.0, Version #1.30  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/774.414  
CC FILING DATE:  
CC CLASSIFICATION: 424  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Pessin, Karol M.  
CC REFERENCE/DOCKET NUMBER: A-382-A  
CC INFORMATION FOR SEQ ID NO: 13:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 804 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
SQ SEQUENCE 804 AA; 91862 MW; 3765058 CN;

W/ 116676  
Amgen

Query Match 100.0%; Score 6090; DB 12; Length 804;  
Best Local Similarity 100.0%; Pred. No. 0.00e+00;  
Matches 804; Conservative 0; Mismatches 0; Indels 0; Gaps

Db 1 MICQKFCVLLHWEFIYVITAFNLSYPTTPWRFKLSCMPPNSTYDYFLLPAGLSKNTNS 60  
Qy 1 MICQKFCVLLHWEFIYVITAFNLSYPTTPWRFKLSCMPPNSTYDYFLLPAGLSKNTNS 60  
Db 61 NGHETAVEPKFNSSGTHFSNLSKITTFHCCFRSEQDRNCSLCADNIEGKTFVSTVNSLVF 120  
Qy 61 NGHETAVEPKFNSSGTHFSNLSKITTFHCCFRSEQDRNCSLCADNIEGKTFVSTVNSLVF 120  
Db 121 QOIDANWNIQWLKGDGLKFCYVESLFKNLFRNYNYKVHLLYVLPVLEDSPLVPQKGS 180  
Qy 121 QOIDANWNIQWLKGDGLKFCYVESLFKNLFRNYNYKVHLLYVLPVLEDSPLVPQKGS 180  
Db 181 FQMVHCNCSVHECCCLVPVPTAKLNDTLLMCLKITSGGVIFQSPMLSVQPINMVKPDP 240  
Qy 181 FQMVHCNCSVHECCCLVPVPTAKLNDTLLMCLKITSGGVIFQSPMLSVQPINMVKPDP 240  
Db 241 LGLHMEITDGNLKSISWSSPLVPFPLOYQVKYSENSTTVIREADKIVSATSLLVDSILP 300  
Qy 241 LGLHMEITDGNLKSISWSSPLVPFPLOYQVKYSENSTTVIREADKIVSATSLLVDSILP 300  
Db 301 GSSYEVOVRGKRLDGPQIWSWDSTPRVFTTQDVIYFPPKILTSVGSNVSFHCIIYKKNKI 360  
Qy 301 GSSYEVOVRGKRLDGPQIWSWDSTPRVFTTQDVIYFPPKILTSVGSNVSFHCIIYKKNKI 360  
Db 361 VPSKEIVWNNLAEKIPQSQYDVVSDHVSQVTFNENETKPRGKFTYDAVYCCNEHECHH 420  
Qy 361 VPSKEIVWNNLAEKIPQSQYDVVSDHVSQVTFNENETKPRGKFTYDAVYCCNEHECHH 420  
Db 421 RYAEIVYDVNINISCEITDGLYTKMTCRWSTSTIQSLAESTLQRLYHRSSLYCSDIPSII 480  
Qy 421 RYAEIVYDVNINISCEITDGLYTKMTCRWSTSTIQSLAESTLQRLYHRSSLYCSDIPSII 480  
Db 481 PISEPKDCYLQSDGFYECIFQPIFLLSGYTMWIRINHSGLSDSPPTCVLPDSVVKPLPP 540  
Qy 481 PISEPKDCYLQSDGFYECIFQPIFLLSGYTMWIRINHSGLSDSPPTCVLPDSVVKPLPP 540  
Db 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKMYEYDAKSKSVSLPV 600  
Qy 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKMYEYDAKSKSVSLPV 600  
Db 601 PDLCAVAVQVRCKRLDGLGYSNWSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
Qy 601 PDLCAVAVQVRCKRLDGLGYSNWSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
Db 661 TLLWKPLMKNDLSQVQRYVINHTSCNGTWESEVGNHTKFTFLWTEQAHTVTVLAINSI 720  
Qy 661 TLLWKPLMKNDLSQVQRYVINHTSCNGTWESEVGNHTKFTFLWTEQAHTVTVLAINSI 720  
Db 721 GASVANFNLTFSWPMKSNVIVQSLAYPLNSSCVIVSWILSPSDYKLMYFIIWKNLNED 780  
Qy 721 GASVANFNLTFSWPMKSNVIVQSLAYPLNSSCVIVSWILSPSDYKLMYFIIWKNLNED 780  
Db 781 GEIKWLRISSSVKKYIYHGKFTIL 804  
Qy 781 GEIKWLRISSSVKKYIYHGKFTIL 804

last 4